U.S. GEOLOGICAL SURVEY OPEN FILE REPORT OF 78-254

PLATE 1

BAIRD MOUNTAINS QUADRANGLE

74 AF145-1,-4 H 719 74 ABe 21B A 314 74 AFI55-13 G 756 PJ91 PISW? 74 ATr 129.7 A 651 Qqu 74 Pel21 M 118 74 AF144-3 A 622 66APa 129 B 83 66ATr39 74 ATr150.3 74 PE2B Qgu B 94 M 104 74 ABe222F PHLOG. 98 Qfs BAIRD MOUNTAINS QUADRANGLE 66 APal31 M 108

EXPLANATION

74 ATr 129.7 A 651

— Mineral, K—Ar apparent age (m.y.)
Min — minimum age

M-muscovite

B-biotite P - paragonite

O Approximate location

A-actinolite H- hornblende

Phlog - phlogopite G- glaucophane T- tremolite

Apparent ages preceded by asterisks have been increased by inherited argon

U.S.G.S. Data

> Most rock symbols used are the same as those for the Ambler River quadrangle, U.S. Geological Survey Open File Map, OF 77-28, by G.H. Pessel and W.P. Brosgé, 1977. Lithologies that are only differentiated in the Baird Mountains quadrangle are listed below.

Quartzite Pzq

Dacitic and rhyolitic volcanic rocks, probably Carboniferous

SCALE 1:250 000

QUADRANGLE LOCATION

Felsic gneiss, quartz-albite-muscovite-garnet gneiss, may be igneous in origin; age unknown

Undifferentiated and unmapped rocks

BASE BY U.S. GEOLOGICAL SURVEY 1956

DEPARTMENT OF THE INTERIOR UNITED STATES GEOLOGICAL SURVEY

This report is preliminary and has not been edited or reviewed for conformity with Geological Survey standards and nomenclature.

K-Ar GEOCHRONOLOGY OF THE SURVEY PASS, AMBLER RIVER AND EASTERN BAIRD MOUNTAINS QUADRANGLES, SOUTHWESTERN BROOKS RANGE, ALASKA

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